

# THE HERD



A Little Magazine Published by

THE BUFFALO GASOLENE MOTOR COMPANY, BUFFALO, N.Y., U. S. A.

VOL. 5

OCTOBER, 1920

No. 24

## Buffalo BA Motor Powers Haiss Path Digging Wagon Loader

By The Use Of This Device Cost Of Handling Loose Bulky  
Materials Can Be Greatly Reduced To Say Nothing  
Of Time Saving.

**F**OUR-CYLINDER Buffalo BA motors power the path digging type of wagon loader built by the George Haiss Manufacturing Company, Canal Place and East 142nd St., New York City.

This is a new field of activities for Buffalo engines, although they have been doing work of a somewhat similar nature on the Austin trenching machines for years.

The Haiss wagon loader is one of the devices which have been developed by the never ending changes in the engineering field tending to cut down the cost of

handling both in time and money. The demand for these machines comes most urgently from the fields in which loose, bulky materials are handled—coal, sand, crushed stone—which must be unloaded frequently from hopper bottomed cars, and delivered on high storage piles or discharged over high retaining walls.

In many cases most of this material is later reclaimed and loaded into railroad cars again, or into trucks or industrial cars. It is on jobs like this and hundreds of others involving similar problems that the Haiss wagon loaders shine.

### For Loading Wheelbarrows.

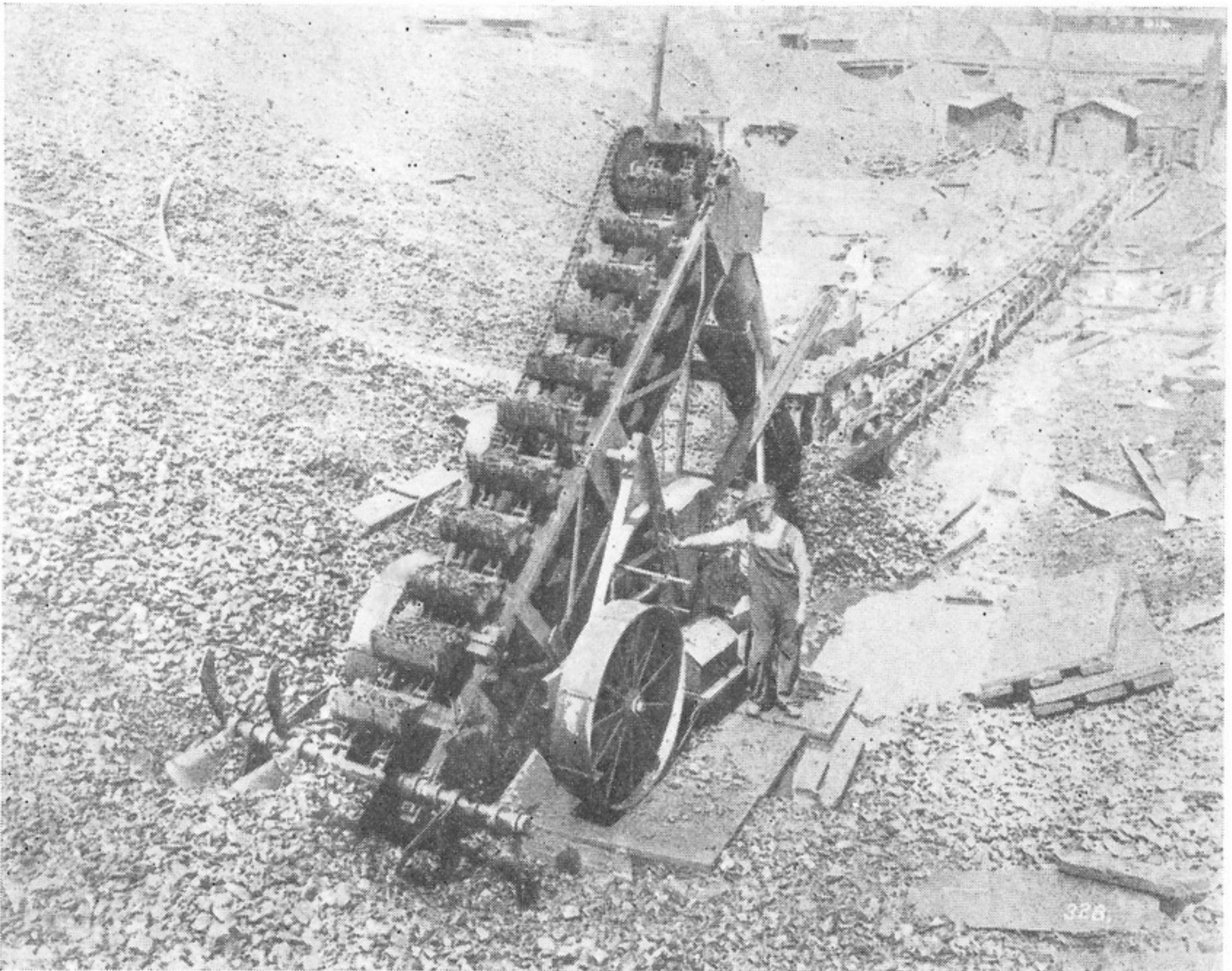
Constructing work was recently commenced on a street grading contract in East 161st Street, New York City, adjoining the Grand Concourse. Over a million dollars are involved. The plans, in a general way, called for the grade of 161st Street, which at present passes underneath the Concourse, to be raised to the level of the Concourse; an elevation of about 30 feet. Two large concrete retaining walls must be built on either side of 161st Street, and between them an earth wall be made.

Concrete mixing being a large part of the expensive portion of the construction work, Mr. Fred Schneider, the contractor, realized the need of improving upon the

usual methods for carrying out such work. One of his ideas, which has since saved him much time and the wages of a half dozen laborers, is to load the crushed stone into wheelbarrows by means of a Haiss Digging Wagon Loader, equipped with the patented self-feeding propellers. He knew how quickly and cheaply his auto trucks had been loaded by this type of machine, and so he concluded one of these could perform as economically in filling his wheelbarrows.

### How Digging Type Works.

The principal difference between this "Digging" type of wagon loader and all others is the method employed for digging into a pile of material. In this respect it somewhat resembles a steam



*Hoisting machine built by the George Haiss Company, New York.  
It is powered with a Buffalo motor.*



*This Haiss wagon loader has many interesting features.*

shovel, in that it "crowds" the bucket elevator directly against the face of the pile, thus, in turn, securing a load for each bucket.

This is a valuable feature, not possessed by any other wagon loader on the market. The "crowding" effect is obtained by the operator turning a hand crank, who in this way forces the entire elevator unit to slide backward on the truck frame toward the sand pile as the case may be.

### Do You Know A Buffalo Which Does Unusual Things?

Do you know a Buffalo engine which is doing something unusual, turning a drawbridge, driving a ferry used to transport railroad cars, powering some kind of a boat which suggests a peculiar interest?

If you do will you please get us a photograph of it, also write us a letter telling the facts? If you do not feel like going to the trouble of having the picture made tell us about it and we will attend to it.

What we want most is to get in touch with Buffalo engines which are doing the unusual. We like to reproduce them in the Herd and tell about their work.